



# ***Theater Support Vessel Program Overview***

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PM Force Projection**

*Acquisition Excellence*



# Outline

- **Program Mission**
- **What is TSV**
- **Technical Approach**
- **Where We've Been**
- **Program Schedule**
- **Program Funding**
- **Questions for Industry**
- **Your Challenge**



# ***Program Mission***



- **Support the Army's Transformation Strategy**
- **Deliver the most capable and affordable TSV to the field in the shortest time possible**
- **Minimize risk by leveraging existing commercial and military technologies to maximum extent possible**



# ***TSV is NOT***



- **Just a boat**
- **A landing craft**
- **What we are currently leasing**
- **A specific hull form**



# ***TSV IS***



- **A transformational capability**
- **The Army's future watercraft system**
- **An integration of existing technologies into a military useful platform that provides**
  - **the combatant commander with the means to operationally move and reposition his combat units**
  - **follow-on sustainment of those units through minor, degraded and/or damaged ports**
- **Strategically relocatable (self-deploying)**
- **U.S. Built**



# U.S. Built



**Title 10, Section 7309 of the US Code mandates that,  
“.....no vessel to be  
constructed for any of the  
armed forces, and no major  
component of the hull or  
superstructure of any such  
vessel, may be constructed in  
a foreign shipyard.”**

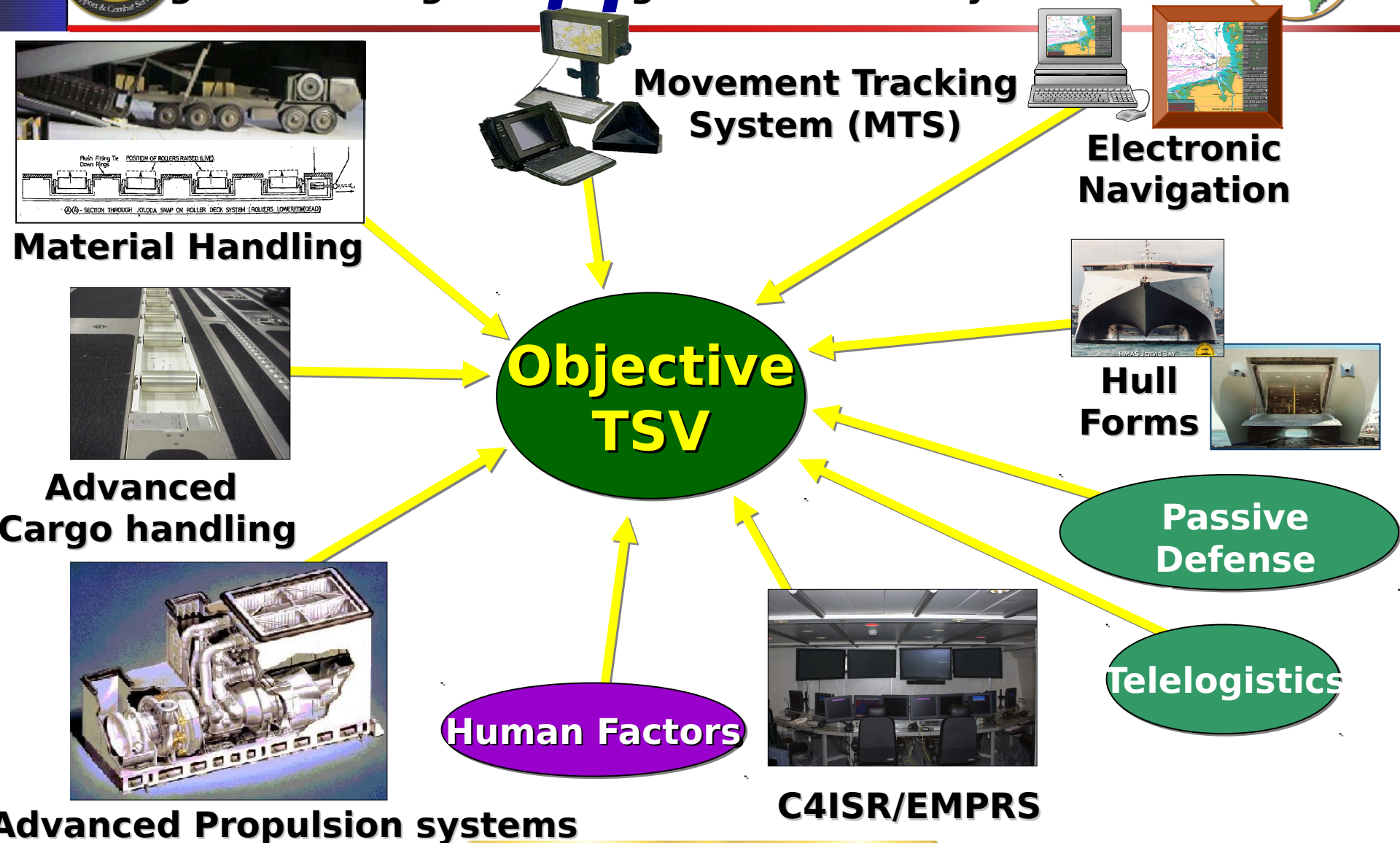




# Technical Approach



Integrate Existing Technologies Into Militarily Useful Platform



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# Where We've Been



**Guidance:** “ We need to get a small number of these in a hurry.....  
Tremendous operational capability.” (VCSA Apr '02)

“ Get this capability in the hands of the warfighters.” (VCSA S

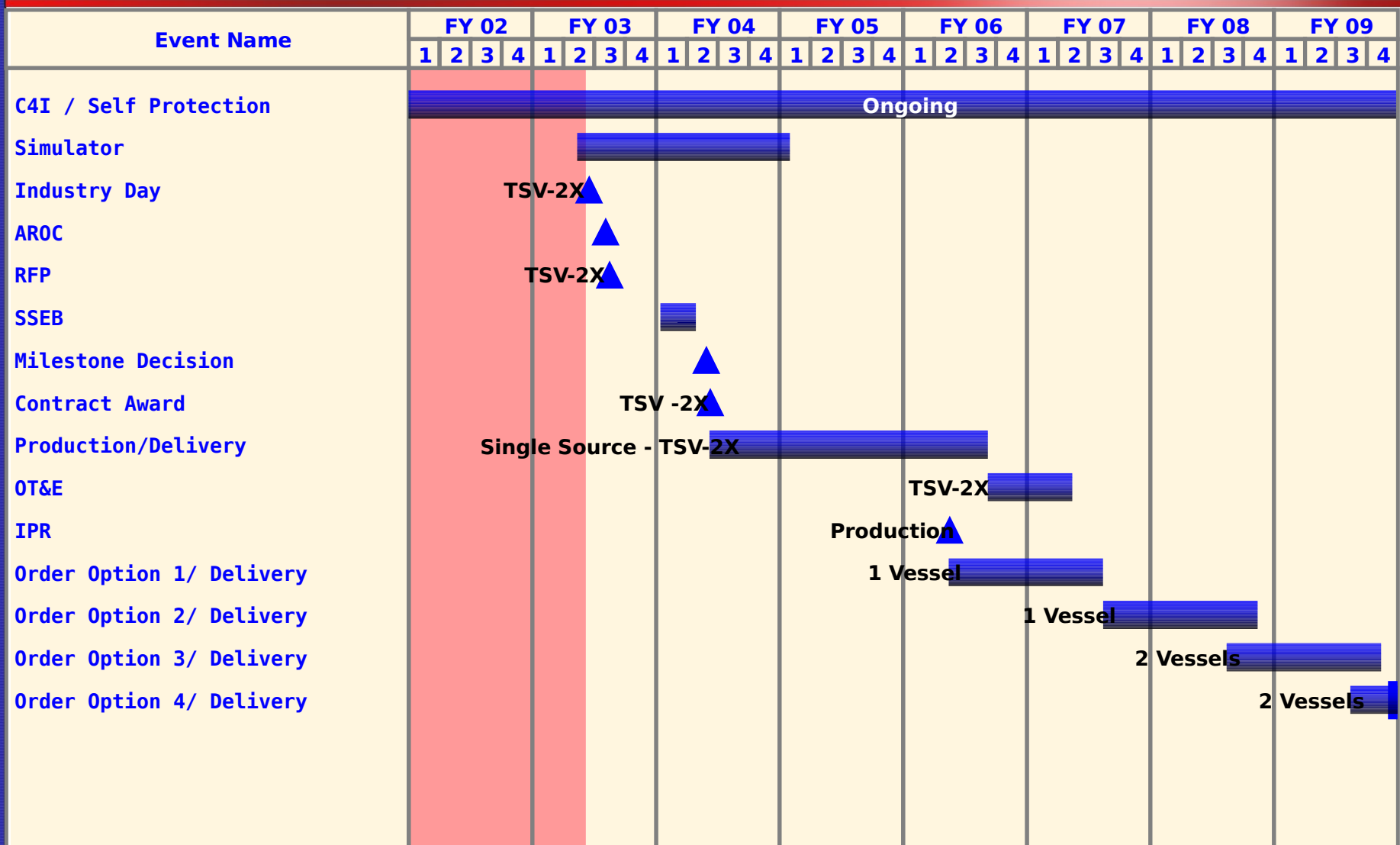
## Results:

- SecArmy designated TSV as “ Service-Unique Vessel.”
- Circumnavigated Globe (40,000NM in 103 days)
  - OEF Support: 22 missions in the AOR -60 days
  - Millennium Challenge: Strategically repositioned halfway around the globe
  - Victory Strike:-- Lifted Stryker company 1500 miles  
-- Strategically repositioned to Europe/supported VS- V Corp
  - AUSA: Sailed HSV-X1 up Potomac, ISO Static Display and Media event
  - ACTD: TSV-1X *Spearhead* - Army Crewed....Armed....Certified....on DEPORD
  - Semi-Swath and Monohull Characterizations





# Schedule



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# TSV Funding Proposal

- **7 Boats total under this plan, delivered by FY10**
  - **1 Boat using RDT&E as Test Article FY04-05**
  - **2 Boats using Capital Lease FY06-07 (OPA)**
  - **4 Boats Straight Buy FY08-09 (OPA)**

BOAT	PROCUREMENT METHOD	APPROPRIATION TYPE	FISCAL YEAR						TOTAL
			FY04	FY05	FY06	FY07	FY08	FY09	
TSV 2X	Straight Buy	RDT&E	\$30.00	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00	\$75.00
TSV 1	Capital Lease	OPA	\$0.00	\$0.00	\$20.94	\$30.09	\$95.56	\$0.00	\$146.59
TSV 2	Capital Lease	OPA	\$0.00	\$0.00	\$0.00	\$12.63	\$30.49	\$97.79	\$140.91
TSV 3	Straight Buy	OPA	\$0.00	\$0.00	\$0.00	\$0.00	\$115.23	\$8.77	\$124.00
TSV 4	Straight Buy	OPA	\$0.00	\$0.00	\$0.00	\$0.00	\$115.23	\$8.77	\$124.00
TSV 5	Straight Buy	OPA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$117.08	\$117.08
TSV 6	Straight Buy	OPA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$117.08	\$117.08
			\$0.00	\$0.00	\$20.94	\$42.72	\$356.51	\$349.49	\$769.66

	FY04	FY05	FY06	FY07	FY08	FY09	TOTAL
Required	\$30.00	\$45.00	\$20.94	\$42.72	\$356.51	\$349.49	\$769.66
Funded	\$30.00	\$45.00	\$34.00	\$34.00	\$358.00	\$375.00	\$801.00
Delta	\$0.00	\$0.00	\$13.06	-\$8.72	\$0.00	\$25.51	\$29.86



# ***Questions for Industry***



- **Classification Options**
  - **What strategy do we use to minimize government risk?**
  - **What are the advantages and disadvantages of having a vessel classed vs. building to class?**
  - **What would be the technical, schedule and risk impact of getting your design approved by a classification society prior to submitting with your proposal?**



# ***Questions for Industry***



- **Performance Based Logistics**
  - **What are appropriate measurable metrics?**
  - **How can we incentivize to reduce life cycle cost?**
  - **Can you make tech data (proprietary) available in wartime/contingency situations? What are the costs?**
  - **Is this best performed by the OEM or a third party?**



# ***Questions for Industry***

- **What is the recommended economical useful life for your vessel?**
- **Disposal Strategy**
  - **What is the most economical disposal strategy that is consistent with our acquisition strategy?**
    - **3rd Party Sale**
    - **Trade-In to OEM**
    - **Scrap**
    - **Horizontal Technology Integration**
    - **Others?**





# ***Questions for Industry***

- **How can we minimize the program risk associated with the integration of the C4ISR and self protection efforts?**



# ***Feedback from Industry***

## **Operational Lease Scenario**



- **Use the following assumptions:**
  - U.S. built vessel
  - All military mods are integrated into the build
  - Term of the lease is 5 years
  - Offeror responsible for all maintenance (PBL)
- **Ensure to include the following:**
  - Estimate of operating cost per hour
  - Cost of insurance and PBL
  - Demilitarization costs at the end of the lease period
  - Base Lease costs per year



# ***Your Challenge***

- **We need your ideas to make this vision a reality**
- **We ask you to:**
  - **Envision a force projection platform not just another logistics vessel**
  - **Think “outside of the box”**
  - **Leverage commercial technologies**
  - **Seek new innovations and technologies**
  - **Reduce total life cycle cost**
  - **Team together for maximum benefit**